Install Pressurized Storage of Condensate



Partner Reported Opportunities (PROs) for Reducing Methane Emissions

PRO Fact Sheet No. 502

Pneumatics/Controls Tanks Tanks Valves Tanks, Install Flares, Other
al Costs (including installation) \$1,000
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Partners estimate condensate production of 10 barrels per MMcf of gas production and methane emissions of 250 scf per barrel of condensate. The condensate production estimate was made using a Hysim computer simulation program. Actual gas composition and condensate production will be unique to each production reservoir. Total partner reported savings were 27,992 Mcf per year for 4 installations of pressurized storage tanks.

Economic Analysis

Basis for Costs and Savings

A methane emissions saving of 7,000 Mcf per year for each pressure storage installation was reported by the partner. Savings is based on a 400 barrel pressurized tank that stores gas liquids containing 250 scf of methane per barrel of condensate.

Discussion

The primary benefit of installing the pressurized storage tanks is to reduce VOC and HAP emissions. The capital cost, including installation, was reported to be \$37,500 in 1998. The operating costs are estimated at \$2,500 for an operator to load tank trucks for 100 hours annually. The savings from recovering methane will justify the costs over a two-year period.

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